

CLAIMS

What is claimed is:

1. A method of telephony translations and route selection comprising:
- receiving a call request, the call request comprising input information being for a telephony call;
 - determining at least one call attribute from the input information;
 - transmitting a routing policy request to query a route database;
 - responsive to the routing policy request, receiving a routing policy response, the response comprising at least one routing parameter; and
 - using the at least one routing parameter to influence call set up.
2. The method as claimed in claim 1, wherein the at least one routing parameter comprises a preferred route.
3. The method as claimed in claim 2, wherein the at least one routing parameter further comprises an alternate route.
4. The method as claimed in claim 1, wherein the input information comprises a called alias.
5. The method as claimed in claim 4, wherein the called alias is a telephone number.
6. The method as claimed in claim 5, wherein the telephone number is qualified to conform to a numbering plan.

- 1 7. The method as claimed in claim 6, wherein the numbering plan conforms to the
2 ITU-T E.164 standard.
- 1 8. The method as claimed in claim 4, wherein the called alias is a Uniform Resource
2 Locator (URL).
- 1 9. The method as claimed in claim 4, wherein the called alias is an alphanumeric
2 alias associated with a telephony device.
- 1 10. The method as claimed in claim 1, wherein the routing policy response selects a
2 route from the route database according to the at least one call attribute
- 1 11. The method as claimed in claim 1, wherein a routing policy accesses the route
2 database for alias to endpoint mapping data.
- 1 12. The method as claimed in claim 1, wherein the input information originates from
2 one of a calling endpoint device, a network operator device and an interactive
3 voice response unit.
- 1 13. An apparatus for route selection in a communications network, comprising:
2 a controller adapted to derive at least one call attribute from a call request
3 for a telephony transmission; and
4 a route database communicatively coupled to said controller, said route
5 database being adapted to receive a routing policy request from said controller,
6 and transmit a routing policy response having at least one routing parameter, said

7 routing policy response generated responsive to a routing policy request based on
8 the at least one call attribute.

1 14. The apparatus of claim 13, further comprising a controller adapted to use the at
2 least one routing parameter to influence call set up.

1 15. The apparatus as claimed in claim 13, wherein the at least one routing parameter
2 comprises a preferred route.

1 16. The apparatus as claimed in claim 15, wherein the at least one routing parameter
2 further comprises an alternate route.

1 17. The apparatus as claimed in claim 13, wherein the at least one call attribute
2 comprises a called alias.

1 18. The apparatus as claimed in claim 17, wherein the called alias is a telephone
2 number.

1 19. The apparatus as claimed in claim 18, wherein the telephone number is qualified
2 to conform to a numbering plan.

1 20. The apparatus as claimed in claim 17, wherein the called alias is a Uniform
2 Resource Locator (URL).

1 21. The apparatus as claimed in claim 17, wherein the called alias is an alphanumeric
2 alias associated with a telephony device.

1 22. The apparatus as claimed in claim 13, wherein the routing policy response selects
2 a route from the route database according to the at least one call attribute.

1 23. The apparatus as claimed in claim 13, wherein the routing policy accesses a route
2 database to provide alias to endpoint mapping data.

1 24. An apparatus for route selection in a communications network, comprising:
2 means for receiving a call request, the call request being for a telephony
3 call;
4 means for deriving at least one call attribute from the call request;
5 means for transmitting a routing policy query request to a route database,
6 the routing policy request based on the at least one call attribute;
7 means for receiving a routing policy response from a route database, the
8 routing policy response comprising at least one routing parameter; and
9 means for utilizing the at least one routing parameter to influence control
10 of call set up.

1 25. A system for call setup over a communications network, the system comprising:

2 (a) an ingress call server having a receiver for receiving a call request for a
3 telephony call, the call request comprising alias information for the telephony
4 call; the ingress call server comprising:

5 a controller adapted to derive at least one call attribute from the
6 call request; and

7 a transmitter for transmitting a routing policy query request
8 comprising the at least one call attribute, and

9 (b) a route database communicatively coupled to the ingress call server,
10 the route database comprising:

11 a receiver for receiving a routing policy query request;

12 a controller adapted to translate the at least one call attribute to
13 endpoint routing information; and

14 a transmitter for transmitting a routing policy query response
15 comprising the endpoint routing information.

1 26. A system for call setup of claim 25, further comprising:

2 an egress call server comprising a receiver to receive a call server transfer
3 signal from the ingress call server, the call server transfer signal defining call
4 server transfer instructions from the ingress call server to the egress call server.

- 1 27. An article including one or more machine-readable storage media containing
2 instructions to manage communications apparatus in a communications network,
3 the instructions when executed causing a controller to:
4 receive a call request, the call request being for a telephony call;
5 derive at least one call attribute from the call request;
6 transmit a routing policy query request to a routing policy server, the
7 routing policy request defining the at least one call attribute;
8 receive a routing policy response from the routing policy server, the
9 routing policy response comprising at least one routing parameter; and
10 transmit the at least one routing parameter to influence control of call set
11 up.